## Contents

1. **Facial Expressions of Emotions: Research Perspectives** .......................... 1  
   Avinash Awasthi and Manas K. Mandal

2. **Recognition of Facial Expressions: Past, Present, and Future Challenges** .......................... 19  
   José-Miguel Fernández-Dols and Carlos Crivelli

3. **Evidence for the Universality of Facial Expressions of Emotion** ....................... 41  
   Hyisung Hwang and David Matsumoto

4. **In-Group Advantage and Other-Group Bias in Facial Emotion Recognition** .......................... 57  
   Hillary Anger Elfenbein

5. **Asymmetry of Facial Expressions of Emotion** .................................................. 73  
   Elizabeth M. Murray, William H. Krause, Remington J. Stafford, Amanda D. Bono, Erica P. Meltzer and Joan C. Borod

6. **Facial Expressions in Empathy Research** .................................................. 101  
   Christina Regenbogen and Ute Habel

7. **The Role of Social Context for the Interpretation of Emotional Facial Expressions** .......................... 119  
   Ursula Hess and Shlomo Hareli

8. **Automatic Facial Expression Analysis** .................................................. 143  
   Michel Valstar

   Dipti Deodhare
<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Evaluation of the Intricacies of Emotional Facial Expression of Psychiatric Patients Using Computational Models</td>
<td>199</td>
</tr>
<tr>
<td></td>
<td>Swarup Poria, Ananya Mondal and Pritha Mukhopadhyay</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Microexpressions and Deception</td>
<td>227</td>
</tr>
<tr>
<td></td>
<td>Mark G. Frank and Elena Svetieva</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>The Detection of Deception in Cross-Cultural Contexts</td>
<td>243</td>
</tr>
<tr>
<td></td>
<td>Paola A. Castillo</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Study of Facial Micro-expressions in Psychology</td>
<td>265</td>
</tr>
<tr>
<td></td>
<td>Braj Bhushan</td>
<td></td>
</tr>
</tbody>
</table>
Understanding Facial Expressions in Communication
Cross-cultural and Multidisciplinary Perspectives
Mandal, M.K.; Awasthi, A. (Eds.)
2015, XI, 286 p. 36 illus., 24 illus. in color., Hardcover
ISBN: 978-81-322-1933-0